17. The method of claim **16**, wherein the agents that counters the effect of androgens are sex hormone-binding globulin (SHBG) stimulators.

18. The method of claim **9**, wherein the method further comprises administering an antigonadotropin.

19. The method of claim **9**, wherein the method further comprises administering a mineralocorticoid or a glucocorticoid.

20. The method of claim **9**, wherein the method further comprises administering an insulin sensitizing medication.

21. The method of claim **9**, wherein the method further comprises administering a vaccine or immunogens against androstenedione.

22-30. (canceled)

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